

Rational Method of Electro-Spark Broaching Shaped
Holes, by K. K. Namitokov et al.

RUSSIAN, no per, Vest Mash, Vol XXXVI, No 6, 1956,
pp 51-52.

Co-Op Trans Sch Tr 298
8s.0d.

Sci - Engineering
Feb 1957 CTS/dex

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Effect of the Material of the Surrounding Parts on
on the Fatigue Strengths of Axles and Shafts, by
I. V. Kudryavtsev, N. M. Savvina. UNCL

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DSIR 34006/CT

Sci - Engr
Mar 59

83,387

Boron-Needled Plain Carbon Cast Steel, by Ya. E.
Gol'dshtein, L. L. Pyatakova, O. D. Zhizhakina.

XE

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No 7, 1956, pp 23-27.

Brutcher Tr 3986

Sci - Min/Met

\$5.80

Jan 58

57, 382

Quality and Finish of Surfaces Worked With Ceramic
Cutting Tools, by V. I. Zhikharev.

RUSSIAN, per, Vest Mash, Vol XXXVI, No 7, 1956,
pp 42-44.

Co-Op Trans Sch Tr 351 (?)
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Sci - Engr
Jul 57

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Phosphate Coating as an Aid in Running-In of
Friction Components, by A. A. Novik.

RUSSIAN, per, Vest Mash, Vol XXXV, No 7, 1956,
pp 63, 64.

HB 4932

Sci - Engr

Jun 61

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Standardization and Normalization in Machine-
Building, by A. I. Baranov, V. V. Kuzmin, 5 pp.

RUSSIAN, per, Vest Mash, Vol XXXVI, No 7, 1956,
pp 89, 90. CIA 650542

ATIC F-TS-9451/III

USSR
Econ
Nov 59

102, 407

The Determination of the Actual Cross-Section of
Cut in Machining Processes, by N. A. Shevchenko,
11 pp.

RUSSIAN, per, Vest Mash, Vol XXXVI, No 8, 1956,
pp 46, 50.

Sci Mus Lib Tr 57/0428

Sci - Engr
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Dynamometer for Measurement of Metal-Cutting
Forces, by K. K. Namitokov, E. M.
Ganapol'skiy, 4 pp.

RUSSIAN, per, Vest Mash, Vol XXXVI, No 8, 1956, pp 47-
48.

Sci Mus Lib Tr 57/0788

Sci - Min/met
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Closed Dies for Stamping Parts Made of Nonferrous
Metals and Alloys, by B. N. Shevelkin, A. P.
Golovanova, 4 pp.

RUSSIAN, PER, Vest Mesh, Vol XXXVI, No 8, 1956,
pp 58, 59. CIA 632541

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Sci - Engr

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Fundamental Problems of Precision in Machine
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Sci - Engr

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Ultrasonic Inspection of Bearings, by R. A. Semenov,
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Sci - Engr

Apr 61

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Chemical Analysis of the Surface Layers of Metal Exposed to Different Types of Wear, by B. I. Kostetskiy, N. L. Golego, P. K. Topekha.

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Sci - Min/Met

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AEI TIT-34

Effect of Heavy-Feed Cutting on Wear Resistance
of Steel, by G. V. Karpenko, A. I. Yatzuk,
4 pp.

RUSSIAN, per, Vestnash, No 10, 1956, pp 32-34.

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Sci - Min/met
Nov 57

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DR/30904/CT

Mechanical Properties of Steel After Surface
Impregnation With ~~EX~~ Chromium, by G. N. Dubinin.

RUSSIAN, per, Vest Mash, Vol XXXVI, No 10, 1956,
pp 56-58.

HB 4296

Sci - Min/Met

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Moderne Automatisierte und Mechanisierte
Anwaermeanlage fuer Schmiedestuecke, by A. M.
Mansurov. (unpubl tr).

RUSSIAN to GERMAN, per, Vest Mash, Vol XXXVI, No 10,
1956, pp 577-584.

IDU 692
Institut fuer Dokumentation
Uebersetzungsnachweis
Berlin, W 8
Unter den Linden 8

Apr 60

Depth of Strain-Hardened Layer Produced by Shot Peening
by N. A. Petrova, M. Ya. Shashin.

RUSSIAN, no per, Vest Mashinostroy, Vol XXXVI, No 11,
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\$3.90

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Jan 58

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New Method of Increasing the Wear Resistance of Tracks
with Open Bushings, by A. A. Maurakh.

RUSSIAN, per, Vest Mash, Vol XXXVI, No 12, 1956,
pp 16-18.

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Sci - Min/Met

Apr 58

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The Recovery of Worn Machine Part Surfaces by
the Vibracoustic Method, by V. V. Efremov,
V. G. Gevorgyan. UNCLASSIFIED

No 12,
RUSSIAN, per, Vest Mashinostroya, 1956, pp 65-68.

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A New Method of Surface-Hardening Machine Parts,
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No 12, 1956, pp 69, 70.

Sci Mus Lib 58/0633

Sci - Engr
Oct 58

73, 501

Graphic Seals for Rotating Shafts, by L. A.
Plutalova, 11 pp.

RUSSIAN, per, Vest Mash, Vol XXXVII, No 2,
1957, pp 3-8.

AEC IGIS-64(RD/R)

Sci -
May 60

NLL M.1467

117,466

Plutalova, L. A.
GARNITURES D'ENCHÉÎTÉ EN GRAPHITE POUR
LES AXES DE ROTATION [Grafitovye Uploteniya
Vrashchayushchikhsya Valov [Graphite Seals for
Rotating Shafts] tr. by Stchouzkoy. 5 Apr 60 [25]p.
4 refs. CEA Trans. no. R 879 (text in French).
Order from OTS or SLA \$2.60 61-15763

Trans. in French of Vest[nik] Mashinostr[oeniya]
(USSR) 1957 [v. 37] no. 2, p. 3-8.
A translation in English is available from LC or SLA
mi\$2.40, ph\$3.30 as 61-13618, IGIS-64(RD/R), 1959
[11]p.

DESCRIPTORS: *Shafts, *Graphite, *Seals, Materials,
Lubricants, Lubrication.

The manufacture, advantages and drawbacks of graph-
ite are discussed.
(Materials--Lubricants, TT, v. 6, no. 10)

61-15763

- I. Plutalova, L. A.
- II. CEA-tr-R879
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Atomique (France)

Office of Technical Services

Modern Construction of Vertical and Centrifugal-
Vertical Pumps, by V. G. Kovalenko,
M. N. Kopylov.
Mashin, per, Vest Mashinostroyeniya, No 2,
1959, pp 10-16.
*NASA TT F-9467

Sci-Tech
Jul 65

Machinability of Steel 40KhNVA in Turning and
Drilling, by P. A. Markelov.

RUSSIAN, per, Vest Mash, Vol XXXVII, No 2, 1957,
pp 54-55.

DSIR/31212/CT

Sci - Engr; Min/met
Feb 58

58, 852
Lih
Sci Mus
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Calculations on Cutting Tool Heads, by
V. Zorlyanskiy.

RUSSIAN, per, Vest Mashinostroeniya,
No 6, 1957, pp 57-62.

CSIRO/No 5933

Sci-Engr
May 63

Depth of Sulfur-Enriched Zone Produced When
Sulfidizing Steel and Cast Iron, by
G. V. Karpenko, et al.

RUSSIAN, mo per, Vest Mashinostroy, Vol XXXVII,
No 2, 1957, pp 61, 62.

Henry Bratcher

Tr 3932

\$ 2.90

Sci - Min/Metals, metallurgy
Aug 57

50,741

Temperature Deformations of the Tool During the
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RUSSIAN, per, Vest Mash, No 3, 1957, pp 44-46.

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Sci - Engr
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The Temperature of Surface Layers of the Workpiece
During Grinding, by Sh. M. Dubinskiy, UNCL

RUSSIAN, per, Vest Mash, Vol XXXVII, No 3, 1957,
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for Mashk. 5/12/57

Sci - Engr
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State of the Art of the Theory and Methods of Design
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*NASA TT F-9466

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A New Horizontal Boring Mill, by N. G. Tevs,
(USSR Prod of Indus Equip, 40).

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pp 23, 24.

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Econ - Machinery

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Problems in the Designing of Pump Drives Without
Accumulator for Hydraulic Presses, by Prof A. I. Zim
W. S. Dobrinskiy, 16 pp.

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ATIC F-TS-9270/III

Sci - Engr

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Machining Hard Alloys With Electroconductive
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7 pp.

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1957, pp 59-61.

Brulskii 4/63
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Sci - ~~Min/Max~~ Engr

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Effect of Grinding on the Wearing Quality of
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AFIC F-TS-9270/III

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Calculations on Cutting Tool Heads, by
V. Zemlyanskiy.

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Influence of Qualities of Mild Steel Sheet on the
Life of Deep Drawing Tools, by P. G. Kovtun. UNCL
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pp 46, 47.

Verein Deutscher Eisenhuettenleute
Duesseldorf
Breite Strasse 27
Germany

Some Characteristics of the Hot Brittleness of
Austenitic (Cr-Ni-Mo-Co-Nb) Steel EI 673, by
V. I. Frovinin, L. F. Chernov.

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Sol - Chen

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May 58

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Sealing of Hydraulic Units With Metallic Slot Rings,
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Electrochemico-Mechanical Machining of Hard
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Sci - Engr

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Soviet Car Construction, by I. A. Morozov, 13 pp.
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Development and Prospects of Steel Foundry Production
In Heavy Machine Building, by I. R. Kryanin, P. F.
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The Calculation of the Cutting Force in Turning
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Sci - Engr, machining
Mar 59

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Deformation and the Role of the Temperature Factor
in the Process of Cutting of Titanium Alloys, by
A. D. Chubarov, N. N. Novikov, 11 pp.

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The Utilization of Gas Turbines in Various Branches
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RUSSIAN, per, Vest Mash, pp 3-9.

Navy Tr 1742/ONI 195

Sci - Eng
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Jul 58

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Design of Seals for Rotary Type Hydraulic Machine
Sets, by T. M. Bashta.

RUSSIAN, per, Vestnik Mashinostroyeniya, No ,
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DSIR LLU RTS 1145

Sci - Engr

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Improving the Wearing Properties of Bush and
Bush-Roller Chains, by A. K. Stetsenko, S. P.
Lobshanidze.

RUSSIAN, per, Vestnik Mashinostroyeniya, No 1,
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OTS 60-23558
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Sci - Engr

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Universal Flying Shears for Cutting Sectional
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Berlin, W.8

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New Structural Low Alloy Steels, by I. S. Kozlovskiy,
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Sci - Min/Metals
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*SNA 54-19313
LC*

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The Design of Cemented Carbide Press-Tools for
Punching, by S. S. Chetverikov, N. K. Foteyev.

RUSSIAN, per, Vestnik Mashinostroyeniya, No 2,
1958, pp 40-42.

DSIR LLU RTS 1142

Sci - Engr

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Surface Quality of Broached Titanium Alloy, by
N. F. Pronkin, 4 pp.

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Cavitation Resistance of Electrodeposited
Chromium, by M. G. Timerbulatov, V. E.
Khromov.

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XXXVIII, No 2, 1958, pp 56-58.

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Reconditioning Lead-Bronze Bearings by the
Application of Powdered Materials, by G. S. Pronyakov

RUSSIAN, per, Vestnik Mashinostroyeniya, No 2,
1958, pp 61-63.

DSIR LLU RTS 1144

Sci - Engr

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Researches in the Field of Rolling
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RUSSIAN, par, Vest Mash, Vol XXXVIII, No 3,
pp 3-8.

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Sol - Engr
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The Strength and Resistance to Wear of
Components of Anti-Friction Bearings, by
S. V. Pinegin. UNCL

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The Distribution of Static Pressures on Bearing
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Sci - Engr; Phys
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Assoc Tech Serv
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Research on Friction Losses in Ball and Roller Bearings Under Various Operating Conditions, by A. I. Solov'yev.

RUSSIAN, per, Vestnik Mashinostroyeniya, No 3, 1958, pp 29-31.

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Sci - Engr

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Preparation of Press-Fitted Bearing Bushings Made of
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Sci - *Engel*
Jul 59

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Development of Metal Cutting Methods in the German
Democratic Republic, by H. H. Zorov, 9 pp. UNCL

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ILU Tr Bul
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Development of the Electroless Nickel-Plating
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^{Vest}
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Finishing Holes by Ball Rolling, by Yu. G.
Shneider.

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DSIR LLU RTS 1147

3ci - Engr

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by V. M. Pizatekly, 16 pp.

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Photoelastic Study of Stresses in a Cutting Tool
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Modern Plant for Electro-Spark Working of
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RUSSIAN, par, Vestnash, 1958, Vol XXXVIII,
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Sci & Min/Met

Mar 59

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Conveyers, by B. A. Chelishchev, 5 pp.

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Sci - Engr

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Investigation of Loop Scavenging for Two-Stroke
Engines Using a One-Cycle Model, by M. G. Kruglov,
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Sci - Engr

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Determination of Thickness of Babbitt Lining for
Friction Bearings, by B. I. Smirnov.

RUSSIAN, per, Vestnik Mashinostroyeniye, No 6,
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New Design of Two-Stage Pump, by V. A. Lyubchenko,
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Vol II, No 2 11, 1960,

Sci

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Determination of the Degree of Plastic
Deformation of a Metal During Cutting, ~~2x~~
by A. Rozonberg, G. Kufarev.

RUSSIAN, per, Vest Mash, Vol XXXVIII, No 6,
1958, pp 49-52.

OSIRO/No 5931

Sci-Materials & Metallurgy
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DETERMINATION OF THE DEGREE OF PLASTIC
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(Opredelenie Stepeni Plasticheskoi Deformatsii Metalla
pri Rezanii) tr. by P. Thistlethwaite. [1962] [16]p.
(foreign text included) 5 refs. [CSIRO Trans.] no. 5931.
Order from OTS or SLA \$1.60 63-19103

Trans. of Vestnik Mashinostroeniya (USSR) 1958, v. 38,
no. 6, p. 49-52.

DESCRIPTORS: *Creep, Deformation, *Metals, Copper,
Knives, *Material removal, Cutting tools.

(Mechanics, TT, v. 10, no. 1)

63-19103

- I. Rosenberg, A. M.
- II. Kufarev, G. L.
- III. CSIRO Trans-5931
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High Frequency Metallisation, by A. P. Vlasov,
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Sci - Min/Met

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A MECHANICAL VIBRATOR WITH INDEPENDENT ADJUSTMENT
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SCI - ENGR

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Self-Contained Pneumatic Chucks for Turret Lathes,
by V. A. Volosatov, 7pp.

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Increasing the Efficiency of Anti-Friction Bearings
and Reducing Specific Metal Consumption, by A. M.
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RUSSIAN, per, Vestnik Mashinostroyeniya, No 8,
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RTS 60-23797
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Aerodynamic Bearings for High Speed
Motors and Turbines, by S. A.
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RUSSIAN, per, Vestnik Mashinostroyeniye, No 8,
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16 pp.

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